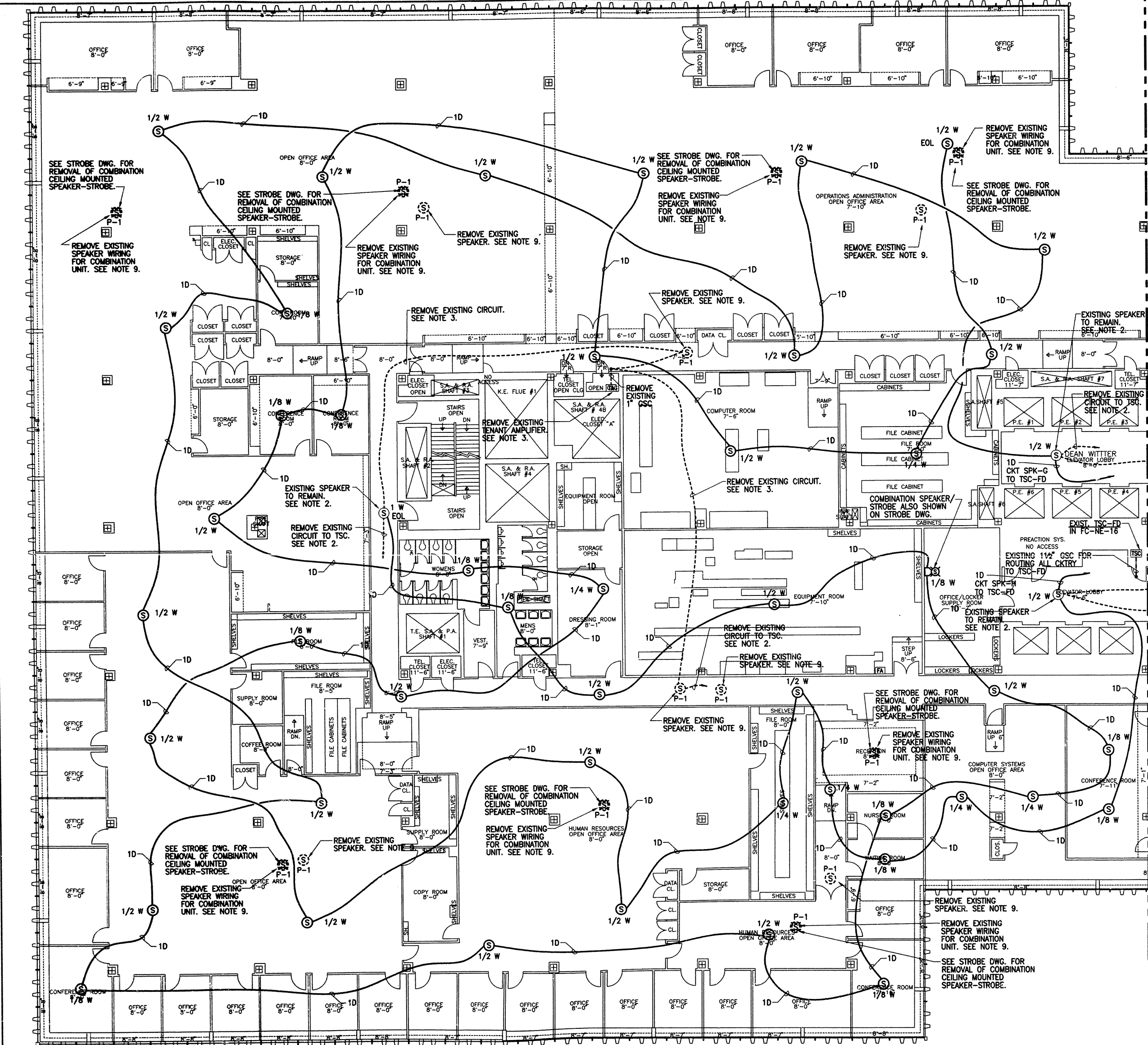


REVISION No. 9



**NOTES**

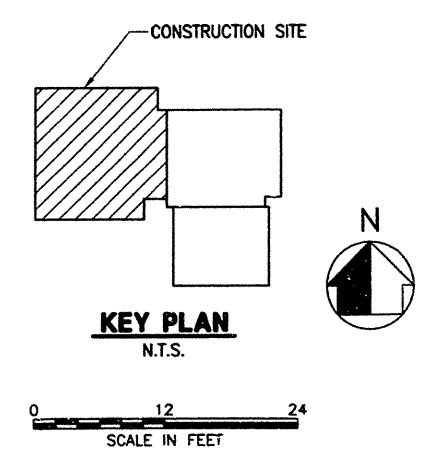
1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWGS. E-2 AND E-4. FOR WIRING SEE DWGS. E-3 AND E-4.
2. DISCONNECTION OF EXISTING SPEAKER CIRCUIT AND CONNECTION OF INSTALLED SPEAKER CIRCUIT AT THE TSC AND/OR THE EXISTING SPEAKER SHALL BE MADE AFTER INSTALLED SPEAKER WIRING IS TESTED AND OPERATIONAL. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
3. DISCONNECTION AND REMOVAL OF EXISTING TENANT AMPLIFIER AND ASSOCIATED CONDUIT AND WIRING UP TO THIS SPEAKER SHALL BE MADE AFTER INSTALLED SPEAKERS ARE TESTED AND OPERATIONAL. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
4. CONTRACTOR SHALL REMOVE EXISTING SPEAKERS ONLY AFTER INSTALLED DEVICES ARE OPERATIONAL.
5. FOR REMOVAL AND PATCHING PLAN DETAILS (P-1, P-2, P-3 & P-4), SEE DWG. A-1.
6. ALL REMOVED SPEAKERS SHALL BE RETURNED TO THE ENGINEER.
7. ALIGN CENTER LINES OF SPEAKERS (ON WHICH WORK IS TO BE DONE IN THE CORRIDORS) TO THE CENTER LINE OF THE CORRIDOR. IN CASE OF CONFLICT WITH EXISTING CEILING LIGHTING AND GRILLS, FINAL LOCATION OF SPEAKERS SHALL BE ADJUSTED WITH THE APPROVAL OF THE ENGINEER.
8. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
9. COORDINATE REMOVAL OF ALL SPEAKERS WITH ENGINEER. DISCONNECT AND ABANDON EXISTING SPEAKER CIRCUITS IN CEILING. TAP ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

**SPEAKER CIRCUIT/LOADING TABLE**

SPEAKER TAP/DB SETTING	Watts	1/8	1/4	1/2	1	2	4	TOTAL POWER (Watts)	CIRCUIT LENGTH (ft.)
SPK-C	2	2	10	1				6.750	760
SPK-D	3	1	11	0				6.125	842
SPK-E	1	2	6	1				4.625	574
SPK-F	0	1	9	0				4.750	626
SPK-G	7	1	15	1				9.000	1159
SPK-H	6	5	14	0					
GRAND TOTAL								40.875	5246

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. **WTC-861.573** IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE **2/1/00** **PA** CONTRACTOR/ARCH  
DATE **2/1/00** **PA** ENGINEERING PROGRAM MGR



**THE PORT AUTHORITY OF NY & NJ**

**ENGINEERING PROGRAM MANAGER**  
**WORLD TRADE CENTER**  
**CHIEF ELECTRICAL ENGINEER**

No. Date Revision Approved

**ENGINEERING DEPARTMENT**

**WORLD TRADE CENTER**

**ELECTRICAL**

Title  
**FIRE ALARM SYSTEM DEVICE UPGRADE PHASE III**  
**5 WTC 3rd, 4th, 5th & 6th FLOORS**

**6th FLOOR SPEAKER LAYOUT INSTALLATION AND REMOVAL WEST PART PLAN**

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

**FELDSTEIN KOBZAN A.S.**  
Designed by Drawn by Checked by

**NOVEMBER 26, 1999**  
Date

**WTC-861.573 E-06-2W**  
Contract Number Drawing Number